

ts01: tRIBS land use parameters used in this study. The parameter values were inherited from the long-term calibration and validation carried out for the Lucky Hills basin in Francipane et al. [2012].

	<i>Parameter</i>	<i>Description</i>	<i>Initial Values</i>	<i>Source</i>	<i>Final Values</i>
0	ID				
1	<i>s</i>	Canopy storage	1 mm	L	-
2	<i>b</i>	Interception coefficient	0.2	L	-
3	<i>p</i>	Free throughfall coefficient	0.35	L	-
4	<i>S</i>	Canopy capacity	1 mm	L	-
5	<i>K</i>	Drainage coefficient	0.18 mm/hr	L	-
6	<i>g</i>	Drainage exponent parameter	3.9 mm ⁻¹	L	-
7	<i>a</i>	Albedo	0.22	L	-
8	<i>H_v</i>	Vegetation height	0.46	L	-
9	<i>K_t</i>	Optical transmission coefficient	0.7	L	-
10	<i>r_s</i>	Reference canopy stomatal resistance	200 s/m	L	-
11	<i>v</i>	Vegetation fraction	0.5	L	-
12	<i>C_r</i>	% of bare soil protected against drop erosion	0.1	L	-
13	<i>K_r</i>	Soil erodibility coefficient	20 J ⁻¹	L	-
14	<i>F_l</i>	Drip coefficient	0	L	-
15	<i>n_{vR}</i>	Manning's roughness coefficient for a reference vegetation type	0.05 m ^{-1/3} s ⁻¹	C	0.041 m ^{-1/3} s ⁻¹

L = from literature; C = from calibration